

Title (en)
A METHOD AND A SYSTEM FOR FUEL INJECTION

Title (de)
VERFAHREN UND VORRICHTUNG ZUM BRENNSTOFFEINSPRITZEN

Title (fr)
PROCEDE ET DISPOSITIF D'INJECTION DE CARBURANT

Publication
EP 0558592 B1 19990203 (EN)

Application
EP 91920877 A 19911120

Priority
• AU PK341090 A 19901120
• AU 9100532 W 19911120

Abstract (en)
[origin: WO9208886A1] A method of operating a low boiling point liquid fuel injection system for an internal combustion engine (1) wherein the fuel is stored in a tank (17) and has a variable vapour pressure in the tank (17) dependent upon ambient temperature. The method comprises pumping the fuel to the fuel inlet rail (15) and injectors (8, 9, 10, 11) at an absolute pressure which is maintained at a constant differential above the variable vapour pressure in the tank (17), monitoring the absolute pressure of the fuel and varying the fuel injection pulse width dependent upon the absolute pressure of the fuel together with the other usual engine parameters. The method has particular application where the fuel is a liquified gas.

IPC 1-7
F02B 43/12; F02B 43/10; F02M 21/02

IPC 8 full level
F02B 43/00 (2006.01); **F02B 43/12** (2006.01); **F02D 19/02** (2006.01); **F02M 21/02** (2006.01)

CPC (source: EP US)
F02B 43/00 (2013.01 - EP US); **F02B 43/12** (2013.01 - EP US); **F02D 19/024** (2013.01 - EP US); **F02M 21/0212** (2013.01 - EP US); **F02M 21/0245** (2013.01 - EP US); **F02M 21/0287** (2013.01 - EP US); **F02D 19/027** (2013.01 - EP US); **Y02T 10/30** (2013.01 - EP US)

Citation (examination)
JP S6065261 A 19850415 - AUTOMOBILE ANTIPOLLUTION

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
WO 9208886 A1 19920529; CA 2096648 A1 19920521; DE 69130867 D1 19990318; DE 69130867 T2 19990812; EP 0558592 A1 19930908; EP 0558592 A4 19931201; EP 0558592 B1 19990203; ES 2130139 T3 19990701; JP H06502473 A 19940317; US 5377645 A 19950103

DOCDB simple family (application)
AU 9100532 W 19911120; CA 2096648 A 19911120; DE 69130867 T 19911120; EP 91920877 A 19911120; ES 91920877 T 19911120; JP 50019092 A 19911120; US 5046493 A 19930709